

Search: (DE19518974)/PN



1 / 1

Patent Number: CA2149836 A1 19951124

Perforator for dispensing pharmaceutical product through skin

(DE19518974)

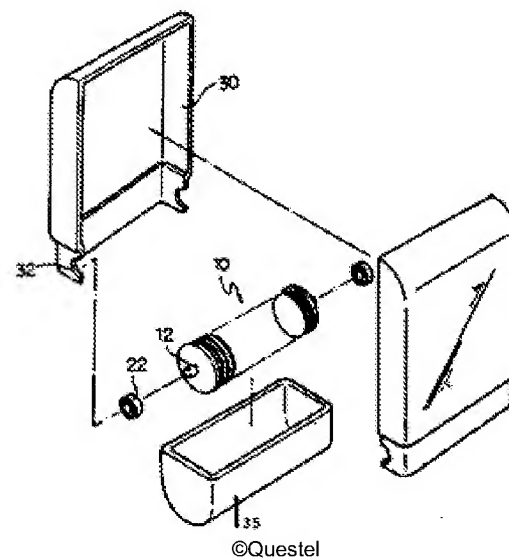
The perforator comprises a housing which has facing holes for a shaft (12) to go through in the opposite-facing bottom sides. Bearings (22) are inserted in each of the housing holes. A perforating roller has a number of needles (14) on its outer surface, and a shaft in the centre. The roller is pivotably held on the opposite facing side ends of the central shaft by bearings so that the roller partly protrudes out of the base of the housing.

Inventor: CHOI SANG BAE
JANG KWANG KYUN
Patent Assignee: SAMSUNG ELECTRO MECH
Orig. Applicant/Assignee: Samsung Electro-Mechanics Co., Ltd., Suwon, Kyonggi, KR
Patent Assignee History: (A1) SAMSUNG ELECTRO MECH (KR)

FamPat family

Publication Number	Kind	Publication date	Links
CA2149836	A1	19951124	
STG:		Application laid open	
AP :		1995CA-2149836	
		19950519	
DE19518974	A1	19951130	
STG:		Doc. laid open (First publication)	
AP :		1995DE-1018974	
		19950523	
CA2149836	C	19990706	
STG:		Patent (second level)	
DE19518974	C2	20000224	
STG:		Patent specification (Second publ.)	

Priority Nbr: 1994KR-0011248 19940523
1994KR-0011249 19940523
1994KR-0011252 19940523
1994KR-U011524 19940523

FIG.2

©Questel

